

## Document Log Item

Addressing	
<b>From</b>	<b>To</b>
<Damonica.Pierson@Shell.com>	Adam Freedman/R9/USEPA/US@EPA
<b>CC</b>	<b>BCC</b>
<b>Description</b> <span>Form Used: Memo</span>	
<b>Subject</b>	<b>Date/Time</b>
RE: Rhodamine Dye	Hür ±v%
<b># of Attachments</b>	<b>Total Bytes</b>
0	12,483
<b>NPM</b>	<b>Contributor</b>
<b>Processing</b>	
<b>Comments</b>	

Body

### Document Body

Hi Adam. I checked with the subsurface engineers about the rhodamine dye and they confirmed that it is one of several different tracers that we have the option of using during injection. The intent behind including its MSDS sheet in the UIC permit application was only to make EPA aware of the tracers that we are considering. Therefore, a specific permit condition that references rhodamine use is not needed because we have not decided to use it.

-----Original Message-----

**From:** Freedman.Adam@epamail.epa.gov [mailto:Freedman.Adam@epamail.epa.gov]

**Sent:** Wednesday, March 24, 2010 12:35 PM

**To:** Pierson, Damonica M SEPCO-UAS-E

**Subject:** RE: Rhodamine Dye

Damonica,

Rhodamine is listed in Appendix P-1. I am having difficulty finding it in the text of the application at the moment -- but I had included the use of rhodamine dye during the step-rate testing, per the applicant's request. This may be my mistake, but it's listing in Appendix P-1 leads me to believe that it is listed in the application. I'm sorry that I am having trouble locating the reference right now -- perhaps your operations engineers who designed the processes, specifically for the step-rate test, would have a sense of whether or not a specific condition needs to be inserted into the permit with regard to rhodamine use during the test. Thank you for following up on this.

Adam Freedman  
Environmental Scientist, Underground Injection Control  
U.S. Environmental Protection Agency, Region 9  
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San Francisco, CA 94105-3901  
415.972.3845  
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From: <Damonica.Pierson@Shell.com>  
To: Adam Freedman/R9/USEPA/US@EPA  
Date: 03/24/2010 09:26 AM  
Subject: RE: Rhodamine Dye

Adam, I am having trouble finding a reference to rhodamine dye in the permit app. On what section/page did you find it?

-----Original Message-----

**From:** Freedman.Adam@epamail.epa.gov [<mailto:Freedman.Adam@epamail.epa.gov>]  
**Sent:** Tuesday, March 23, 2010 6:42 PM  
**To:** Pierson, Damonica M SEPCO-SWE  
**Subject:** Rhodamine Dye

Damonica,

C6 has proposed using Rhodamine Dye in its fluids during Step-Rate Testing. If you could provide a brief explanation for the use of the dye in that setting that would be quite helpful. Thank you very much.

Adam Freedman  
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